



**FORM PTO-1449**  
**U.S. DEPARTMENT OF COMMERCE**  
**PATENT AND TRADEMARK OFFICE**

ATTORNEY DOCKET NO.: 11460-127

APPLICATION SERIAL NO.: 10/667,006

GROUP ART UNIT: 1753

APPLICANT: Michael E. Mack

EXAMINER: TBD

FILING DATE: September 19, 2003

CONFIRMATION NO.: 9136

PRIORITY DATE: September 23, 2002

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | DATE     | NAME             | CLASS/SUB-<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|-----------------|----------|------------------|---------------------|-------------------------------|
| RM                  | 4,361,762       | 11/30/82 | Douglas          | 250/251             |                               |
| RM                  | 4,916,311       | 04/10/90 | Fuzishita et al. | 250/251             |                               |
|                     |                 |          |                  |                     |                               |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | DATE     | NAME                        | CLASS/SUB-<br>CLASS | TRANSLATION<br>YES NO |
|---------------------|-----------------|----------|-----------------------------|---------------------|-----------------------|
| RM                  | JP2000065942    | 03/03/00 | Nissin Electric<br>Co. Ltd. | G01T 1/29           | No                    |
|                     |                 |          |                             |                     |                       |
|                     |                 |          |                             |                     |                       |

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, etc.)

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**EXAMINER** /Rodney Mcdonald/**DATE CONSIDERED** 01/05/2007

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Modified) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
11460-127 US

SERIAL NO.

APPLICANT  
Michael A. Mack

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

FILING DATE

GROUP

(37 CFR 1.98(b))

9/19/03

### U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | PATENT NUMBER   | ISSUE<br>DATE | PATENTEE       | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|---------------|----------------|-------|----------|-------------------------------|
| RM                  | 5,814,194       | 9/29/98       | Deguchi et al  | 204   | 192.1    | 10/12/95                      |
| ↓                   | 5,959,305       | 9/28/99       | Mack et al     | 250   | 492.21   | 6/19/98                       |
| ↓                   | 6,331,227       | 12/18/01      | Dykstra et al  | 156   | 345.1    | 12/14/99                      |
| ↓                   | 6,486,478       | 11/26/02      | Libby et al.   | 250   | 492.1    | 12/6/00                       |
| ↓                   | 6,613,240       | 9/2/03        | Skinner et al. | 216   | 38       | 12/1/00                       |
| RM                  | 2002/0130275 A1 | 9/19/02       | Mack et al.    | 250   | 492.1    | 12/26/01                      |

### FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

|  |  | DOCUMENT NUMBER | PUBLICATION | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|--|-----------------|-------------|-----------------------------|-------|----------|-------------|----|
|  |  |                 | DATE        |                             |       |          | YES         | NO |
|  |  |                 |             |                             |       |          |             |    |
|  |  |                 |             |                             |       |          |             |    |
|  |  |                 |             |                             |       |          |             |    |
|  |  |                 |             |                             |       |          |             |    |
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### OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

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|----|---|
| RM | Forrester, A. Theodore, LARGE ION BEAMS, pp. 33-41, John Wiley & Sons, NY, 1988 |
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EXAMINER DATE CONSIDERED  
/Rodney McDonald/

01/05/2007